



National Medical Education



Healthcare Course Catalog 2008

Radiology

Nursing

Laboratory

Respiratory

NationalMedEd.com Course Catalog

Radiology

M.R.I. TECHNIQUES IN RADIOLOGY
MAMMOGRAPHIC IMAGING IN RADIOLOGY
DIAGNOSTIC ECHOCARDIOGRAPHY
RADIOGRAPHY FOR LIMITED PRACTICE I
RADIOGRAPHIC IMAGING APPLICATIONS
ANATOMY IN SECTIONAL IMAGES I
ANATOMY IN SECTIONAL IMAGES II
ESSENTIALS IN RADIOGRAPHIC IMAGING & EXPOSURE
RADIOGRAPHIC PATHOLOGY FOR TECHNOLOGISTS
BREAST IMAGING
QUALITY MANAGEMENT IN IMAGING
TRAUMA RADIOLOGY
RADIATION PROTECTION IN MEDICAL RADIOGRAPHY
PATIENT CARE IN RADIOGRAPHY
DIGITAL MAMMOGRAPHY
RADIOLOGIC IMAGING SCIENCES
MEDICAL TECHNIQUES IN IMAGING
RADIOGRAPHY FOR LIMITED PRACTICE II
COMPREHENSIVE RADIOLOGIC PATHOLOGY
FUNDAMENTALS OF CHEST RADIOLOGY

Laboratory

CLINICAL HEMATOLOGY THEORY & PROCEDURES II
ESSENTIALS IN CLINICAL CHEMISTRY PART I
IMMUNOHEMATOLOGY APPLIED CONCEPTS
CLINICAL HEMATOLOGY THEORY & PROCEDURES I
ESSENTIALS IN CLINICAL CHEMISTRY PART II
IMMUNOLOGY & SEROLOGY PART I
IMMUNOLOGY & SEROLOGY PART II
BODY FLUIDS & URINE ANALYSIS
CLINICAL MICROBIOLOGY I
CLINICAL MICROBIOLOGY II

Respiratory

ABG INTERPRETATION (booklet format)
COMPLETE ASSESSMENT OF THE PULMONARY
PATIENT IN 10-15 MIN. (booklet format)
COPD INTERNATIONAL STANDARDS
(booklet format)
FUNDAMENTALS OF CHEST RADIOLOGY
(booklet format)
RESPIRATORY CARE PHARMACOLOGY PART I
(textbook format)
ECG INTERPRETATION (textbook format)
RESPIRATORY CARE PHARMACOLOGY PART II
(textbook format)
CARDIO-PULMONARY ICU (booklet format)

National Medical Education **Course Catalog 2008**

Radiology

M.R.I. TECHNIQUES IN RADIOLOGY

(Texas NON-IONIZING) Reviews MRI Scanning techniques, with a focus on how to optimize image quality and how to examine structures. Includes patient care considerations and positioning and the use of contract agents. Text included: Handbook of MRI Technique, 2nd edition, by Catherine Westbrook, DCR (an excellent reference guide to use at work).

MAMMOGRAPHIC IMAGING IN RADIOLOGY

Radiographers, here is an excellent course for you to review principles of mammographic imaging; methods used to produce quality mammograms and mammographic pathology. Included are components of the mammography screen-film image system; quality assurance programs for mammography; mammographic positioning; breast diseases and mammographic pathology. A practical guide for you to use daily at work. Text included: Mammographic Imaging - A Practical Guide by V. Andolina, RT(R), S. Lille, RT(R) and K. Willison, RT(R).

DIAGNOSTIC ECHOCARDIOGRAPHY

This course for the cardiac sonographer will review the most current information on the fundamental principles and practices of echocardiography. Starting with basic concepts of cardiac anatomy and physiology to specific cardiac pathologies associated with echocardiographic findings are epitomized. Includes anatomy and physiology of the heart, applications of cardiac sonography with focus on transthoracic, transesophageal and stress. Additional topics provided are quality assurance performance testing and preventive maintenance. Text included: Echocardiography, 2nd Edition by Mark N. Allen, M.B.A., R.D.M.S., R.D.C.S., R.V.T.

RADIOGRAPHY FOR LIMITED PRACTICE I

Exciting new course provides a complete, concise coverage of basic radiographic procedures, addresses all the fundamental topics of limited radiography focusing on practical skills. Part I includes comprehensive coverage of x-ray science and technologies, equipment, radiation safety, radiographic anatomy and pathology, patient care, pediatric and geriatric concerns. Text is perfect for practitioners. Text included: Radiography Essentials for Limited Practice by Bruce W. Long, MS, RT(R)(CV).

RADIOGRAPHIC IMAGING APPLICATIONS

A valuable course for diagnostic radiographers with focus on all aspects of imaging technology. Includes the use of computers, lasers and traditional imaging techniques. Review of current technology, quality assurance, environmental issues, pollution and the implications of current European legislation. Excellent practical approach to explaining text and looking at application techniques. Text included: Radiographic Imaging A Practical Approach, 3rd Edition, by Chris Gunn, MA, TDCR (Text book published in United Kingdom, includes differences in the spelling of certain terms)

ANATOMY IN SECTIONAL IMAGES I

This course provides the radiographer with a thorough practical approach to mastering the fundamentals of cross-sectional anatomy using scanograms, computed tomography images, magnetic resonance images followed with correlating live drawings. The emphasis is on identifying anatomy through images in different body and segmental planes which may prove useful in obtaining optimal images of the anatomy of interest. Part I focuses on the chest, abdomen, male and female pelvis. Designed to maximize the learning experience. Text included: Introduction to Sectional Anatomy by Michael E. Madden, PhD, RT(R), (CT), MR

ANATOMY IN SECTIONAL IMAGES II

Developing a strong understanding of anatomy in cross-section is essential for a successful career in radiographic imaging. This new comprehensive text introduces the clinical significance of sectional images and how they relate to effective diagnosis and treatment. Emphasizes the physical relationships of the structures presented in three ways - anatomical scanograms, patient scans with computed tomography images and magnetic resonance images followed with correlating line drawings. Part II focuses on head, neck, spine, and joints. Gain a solid foundation with this up-to-date text. Text included: Introduction to Sectional Anatomy by Michael E. Madden PhD, RT(R), (CT), (MR)

ESSENTIALS IN RADIOGRAPHIC IMAGING & EXPOSURE

New revised course provides the radiographer with a practical approach to mastering the fundamental principles of imaging. Emphasizes mathematical applications that help to produce high quality radiographic images. Latest information included on new technologies, such as capture imaging and digital imaging management. Text included: Radiographic Imaging & Exposure, 2nd Edition by Terri L. Fauber, Ed.D., R.T.(R)(M)

RADIOGRAPHIC PATHOLOGY FOR TECHNOLOGISTS

This home study course will give you a practical review of the common diseases you encounter in your daily practice, including over 200 radiographic images. You will review major body systems focusing on anatomical structures, imaging considerations, commonly encountered diseases and radiographic findings visualized in common diseases. The major body systems include: Skeletal, Respiratory, Abdomen, Gastrointestinal, Biliary, Urinary, Reproductive, Cardiovascular, and Central Nervous System. You will use this practical course text as a daily reference at work. Text included: Radiographic Pathology for Technologists, 4th Edition by James D. Mace, MBA, RT(R) and Nina Kowalczyk, MS, RT (R).

BREAST IMAGING

The Mammographer will review principles of mammographic imaging; methods used to produce quality mammograms; breast diseases and images of mammographic pathology. Included are over 400 radiographic images of common breast lesions, a practical guide to use at work. Text included: Breast Imaging Companion by Gilda Cardenosa, MD.

QUALITY MANAGEMENT IN IMAGING

The radiographer will review the most up-to-date information available on the quality management aspects of darkrooms, processing, equipment and accessories, fluoroscopic and advanced imaging, artifacts, repeat analysis and silver recovery. Included also are Mammography, CT, MRI, Sonography and Nuclear Medicine, QM issues and documentation forms to help you comply with QM standards. Text Included: Quality Management in the Imaging Sciences by Jeffrey Papp, Ph.D.

TRAUMA RADIOLOGY

The radiographer will review imaging of the physically traumatized patient. Providing quality radiographs which lead to improved clinical management and better patient outcomes. An overview of trauma, patterns of injury, trauma severity, patient dispositions, trauma radiographic protocols, appropriate modalities, radiographic techniques and contrast allergic reactions are emphasized. Radiographic evaluation of commonly encountered traumatic injuries are illustrated by 400 radiographic images. Imaging modalities include MRI, CT, Nuclear Medicine and Ultrasound. Text included: Trauma Radiography Companion, Edited by Eric J Stern, MD with contributors.



RADIATION PROTECTION IN MEDICAL RADIOGRAPHY

This Complex Home study course offers essential information on the biologic effects of ionizing radiation and protection to ensure safe medical use. Emphasis on radiation physics, cell structure, effects of radiation on humans at cellular and systemic levels, radiation quantities and units, regulatory and advisory limits for human exposure of radiation. Describes implantation of radiation safety, regulations and theory. Text included: Radiation Protection in Medical Radiography, 5th Edition by Mary Alice Statkiewicz-Sherer, AS., RT(R), F.A.S.R.T., Paul J. Visconti, Ph.D., and E. Russell Ritenour, Ph.D.

PATIENT CARE IN RADIOGRAPHY

This home study course will give you the latest clinical research on patient care procedures for radiographers. Review important topics such as communication, patient care, safety, medico-legal considerations, transfer, positioning, physical needs, infection control (including AIDS and hepatitis), medications, intravenous, medical emergencies, CPR standards, acute care situations, contrast media, and allergic reactions. Use this practical course text as a daily reference at work. Text included: Patient Care in Radiography, 6th Edition, by Ruth Ann Ehrlick, RT(R), Ellen Doble McCloskey, RN, MN and Joan A Daly, RT (R), MBA

DIGITAL MAMMOGRAPHY

Put the future of Breast Imaging into focus! This unique course provides a comprehensive coverage and step-by-step guidance to understand and use digital mammography in the detection of breast cancer. Everything from physics and communication system (PACS) issues are addressed. Current clinical trials and evidence based support for the use of filmless mammography are reported. Text included: Digital Mammography, by Etta D. Pisano, Martin J. Yaffe, and Cherie M. Kuzmiak

RADIOLOGIC IMAGING SCIENCES

This course offers an overview of radiologic sciences and patient care that meets the standards set by the American Society of Radiologic Technologists curriculum guide and The American Registry of Radiologic Technologists. The complete and accessible coverage provides guidance on professional issues to imaging techniques, technology, equipment safety, patient care and ethical-legal issues. Text included: Radiologic Sciences and Patient Care by Arlene M. Adler, (RT) and Richard R. Carlton, MS, RT (R) (CV)

MEDICAL TECHNIQUES IN IMAGING

This new course introduces to the radiographer the importance of patient care in imaging technology, with in-depth discussions on the importance of professionalism, ethics and effective communication. An overview of radiological science and the fundamentals of pharmacology, electrocardiogram, and medication administration including contrast agents, bedside radiography, special procedures, adverse reactions and age related care for pediatrics and geriatrics. Text included: Basic Medical Techniques & Patient Care in Imaging Technology, 6th Edition, by Lillian S. Torres, RN, BS, MS, MEd, CNS, NP, TerriAnn Linn-Watson Norcutt, MEd, RT(RM), RDMS and Andrea Guillen Dutton, MEd, RT(RM)

RADIOGRAPHY FOR LIMITED PRACTICE II

This unique text focuses on practical skills and addresses all the fundamental topics of limited radiography. Part II of this course emphasizes ethics and legal consideration, safety and information control, medications and laboratory skills, and mathematics for radiographers. Provides an indispensable reference of topics for limited radiography. Text is perfect for practitioners. Text included: Radiography Essentials for Limited Practice by Bruce W. Long, MS, RT(R)(CV).



COMPREHENSIVE RADIOLOGIC PATHOLOGY

This home study course is a practical review of the common diseases encountered in daily practice. Review of major body systems with focus on anatomical structures, imaging considerations and radiographic findings. This outstanding text is a daily reference at work. Text included: Comprehensive Radiographic Pathology: 3rd Edition by Ronald L. Eisenberg, MD and Cynthia A. Dennis, R.T.

FUNDAMENTALS OF CHEST RADIOLOGY

Coming Soon

Respiratory

ABG INTERPRETATION (booklet format)

Understanding of acid-base function including physiology. How to interpret ABGs by Dr. Winn ED.

COMPLETE ASSESSMENT OF THE PULMONARY PATIENT IN 10-15 MIN. (booklet format)

Skills in conducting a patient physical assessment, patient interview and correlating H&P with the pathophysiology of common respiratory disorders. By Dr. Anthony Cuomo

COPD INTERNATIONAL STANDARDS (booklet format)

The impact COPD has on world health. Current treatment and medications. From the GOLD Report.

FUNDAMENTALS OF CHEST RADIOLOGY (booklet format)

RESPIRATORY CARE PHARMACOLOGY PART I (textbook format)

Respiratory Care Pharmacology presents the essential, need-to-know information on respiratory pharmacology. It covers pharmacokinetics principles as they relate to respiratory agents, drug administration, and a range of specific drugs used in respiratory care and their effects on body systems. 6th edition features newly released drugs and updated discussions with new content on adrenergic bronchodilators, mucoactive agents, antiasthma agents, anti-infective agents, cardiac drugs, and circulatory drugs.

ECG INTERPRETATION (textbook format)

This course is designed for all healthcare professionals wishing to master skills of basic ECG recognition, interpretation, significance and current recommended treatment. Emphasis on anatomy & physiology, basic electrophysiology and introduction to 12-lead ECG recognition with newest guidelines from American Heart Association. You also receive the ECG's Made Easy pocket reference, a handy heart rate calculator ruler and a 12-lead ECG reference card. Text included: ECG's Made Easy, 2nd Edition, by Barbara Aehlert, RN

RESPIRATORY CARE PHARMACOLOGY PART II (textbook format)

Respiratory Care Pharmacology presents the essential, need-to-know information on respiratory pharmacology. It covers pharmacokinetics principles as they relate to respiratory agents, drug administration, and a range of specific drugs used in respiratory care and their effects on body systems. 6th edition features newly released drugs and updated discussions with new content on adrenergic bronchodilators, mucoactive agents, antiasthma agents, anti-infective agents, cardiac drugs, and circulatory drugs.

CARDIO-PULMONARY ICU (booklet format)

Assessment and management of critical patient including balloon pump, closed chest drainage, etc.

Laboratory

CLINICAL HEMATOLOGY THEORY & PROCEDURES II

Clinical Laboratory Scientists will find this text most useful in keeping abreast of current changes with medical instrumentation in hematology. New chapters cover hematologic analysis from basic knowledge including new information on the role of the endothelium disorders related to homostasis and thrombosis. Text included: Clinical Hematology Theory and Procedures, 3rd Edition by Mary Louise Turgeon, EdD, Mt(ASCP), CLS

ESSENTIALS IN CLINICAL CHEMISTRY PART I

This latest edition textbook is reflective of the diverse, technical and practical nature of the current practice of clinical laboratory science and medicine. Divided into Part I and Part II, this course provides the medical laboratory scientists with an in-depth practical understanding of the laboratory aspects of chemistry. Text included: Tietz Fundamentals of Clinical Chemistry, 5th Edition, Edited by Carl A. Burtis, PhD., Edward R. Ashwood, MD, Consulting Editor Barbara G. Border, PhD, MT(ASCP), CLS.

IMMUNOHEMATOLOGY APPLIED CONCEPTS

A practical and useable textbook for healthcare professionals who desire knowledge in routine blood banking practices. Basic didactic concepts are introduced and an emphasis on the practical applications of these theories to modern transfusion and blood bank settings are described. Overview of quality assurance and regulations are presented. Text included: Basic & Applied Concepts of Immunohematology by Kathy D. Blaney, MS, BB(ASCP) SBB and Paula R. Howard, MS, MT(ASCP) SBB.

CLINICAL HEMATOLOGY THEORY & PROCEDURES I

All time best textbook on the subject of clinical hematology. This edition includes the latest updates and revisions. Part I covers many basics such as quality assurance and specimen collection to completed coverage of red blood cells, white blood cells and up to date and thorough discussion of anemias. A must for all labs - practical and useable guide. Text included: Clinical Hematology Theory and Procedures, 3rd Edition by Mary Louise Turgeon, EdD, MT(ASCP), CLS

ESSENTIALS IN CLINICAL CHEMISTRY PART II

Tietz Fundamentals of Clinical Chemistry is a comprehensive and unique book for clinical laboratory. This fifth edition addresses the issues and in-depth practical understanding of laboratory aspects of chemistry, to include laboratory principles, analytical techniques and instrumentation, laboratory operations, analytes and pathophysiology. The course emphasis is on pathophysiology of certain diseases, testing the functional status of disorders with special inclusion of more intensive review of nucleic acid techniques and genetic diseases. Text included: Tietz Fundamentals of Clinical Chemistry, 5th Edition, edited by Carl A. Burtis, PhD., Edward R. Ashwood, MD and Consulting Editor Barbara G Border, PhD, MT(ASCP).

IMMUNOLOGY & SEROLOGY PART I

A practical and useable textbook for healthcare professionals who desire knowledge in routine blood banking practices. Basic didactic concepts are introduced and an emphasis on the practical applications of these theories to modern transfusion and blood bank settings are described. Overview of quality assurance and regulations are presented. Text included: Basic & Applied Concepts of Immunohematology by Kathy D. Blaney, MS, BB(ASCP) SBB and Paula R. Howard, MS, MT(ASCP) SBB.

IMMUNOLOGY & SEROLOGY PART II

Immunology and Serology has the most current information in laboratory medicine. Encompasses theory, practice and clinical applications of procedures performed in laboratories. Part II emphasizes communicable diseases, immunologically and serologically related disorders, concepts of transplantation and tumor immunology. Become familiar with current and future technologies in this field. An excellent reference for practicing medical technologists and practitioners in allied health professions. Text included: Immunology & Serology in Laboratory Medicine, 3rd Edition by Mary Louise Turgeon, EDd, Mt (ASCP), CLS (NCA).

BODY FLUIDS & URINE ANALYSIS

The analysis of body fluids is a crucial area of clinical laboratory science. This course addresses collection and analysis of urine, fecal specimens, vaginal secretions and other fluids such as cerebrospinal, synovial, seminal, amniotic, pleural, pericardial, and peritoneal. An excellent review for practicing clinical laboratory scientists and other healthcare professionals. Text included: Fundamentals of Urine & Body Fluid Analysis by Nancy A. Brunzel, MS, CLS, (NCA)

CLINICAL MICROBIOLOGY I

Current advances and developments in the field of clinical microbiology. This course reviews general issues, scientific and laboratory basis for diagnosis by organ system. Clinical case studies reflect the latest information in bacteriology, parasitology, mycology, and virology. Part I addresses lab safety, quality and infection control, cultivation & isolation of bacteria with unique approach to bacteriology preparation from primary cultures to speed identification. Text included: Bailey & Scott's Diagnostic Microbiology, 11th Edition by Betty A. Forbes, PhD, Daniel F. Sahm, PhD, Alice S.

CLINICAL MICROBIOLOGY II

Reflects the latest advances and developments in the field of clinical microbiology. Part II addresses the unique approach to bacteriology, parasitology, mycology, virology and diagnosis of infections by organ system. An invaluable resource - Text include: Bailey & Scott's Diagnostic Microbiology, 11th Edition by Betty A. Forbes, PhD, Daniel F. Sahm, PhD, Alice S. Weissfeld, PhD and Ernest A. Trevino, MT (ASCP), CLS

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About Us

National Medical Education is fully committed to becoming the Health Resource Center for the nation. We currently provide exceptional educational programs to the health care professional. Our focus is on the advancement of knowledge, while promoting the elevation of professional practice with courses that are challenging and relevant.

Our clients are assured privacy, respect and consistently excellent customer service. It is our belief that professionals should not only enjoy participating in these programs, but also have the confidence that will obtain their continuing education units at a cost-effective and timely manner.

We provide the highest quality of service. National Medical Education is committed to putting our client first, and quality is our passion. In the new world of medicine, it is difficult for the health care professional to keep up with the magnitude of changes. We at National Medical Education encourage all of our health care professional clients to improve their knowledge and skills to allow them to practice state of the art medicine, with the most current technologies and methods available. Here at National Medical Education, we measure our success by our clients' satisfaction, responses to our surveys, and their return business.

For more information on training, call us at (866)-605-3664



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